

ILLINOIS

WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

*** Corn - 97% planted
*** Soybeans - 81% planted
*** Wheat - 80% filled, 15% turning yellow
*** Soil Moisture - 3% short, 70% adequate, 27% surplus

There were 5.25 DAYS SUITABLE for FIELDWORK for the week ending Friday, June 10 as drier and warmer weather allowed fields to dry. Farmers were able to make rapid progress and the warmer temperatures aided crop development.

RN planting was 97% complete as of Sunday, June 12, compared to 100% complete for both last year and the 5-year average (1978-82). The average height of all corn was reported to be 9 inches compared to 16 inches last year and the average of 12 inches. The height of the most advanced fields was 14 inches compared to 27 inches last year and the average of 21 inches. The condition on Friday, June 10, was reported to be 2% excellent, 55% good, and 43% fair. Reports from southern areas indicate that armyworms have been found in some fields.

SOYBEAN planting was 81% complete as of Sunday, June 12. Last year, planting was 89% complete while the 5-yr.average is 86%.

SORGHUM planting was 40% complete compared to 70% last year and the 5-year average of 63%.

WINTER WHEAT condition on Friday, June 10, was reported to be 5% excellent, 70% good, 18% fair and 7% poor. Virtually all of the crop was headed by Sunday, June 12, and 80% of the winter wheat was filled. Last year, 96% of the wheat was filled while the average is 90%. Fifteen percent of the wheat acreage was turning yellow, compared to 59% last year and the average of 49%.

Condition of the OATS crop on Friday, June 10, was reported to be 5% excellent, 56% good, 35% fair and poor. The crop was 30% headed on June 12, compared to 44% for both last year and the 5-year average. Five percent of the oats was filled, compared to 15% for both last year and the average.

ALFALFA condition on June 10 was reported to be 8% excellent, 71% good, 19% fair, and 2% poor. Cutting of the first crop was 57% complete, compared to 63% last year and the average of 69%.

CLOVER HAY condition was reported to be 15% excellent, 76% good, and 9% fair. Forty percent of the crop has been cut, compared to 43% last year and the average of 50%.

PASTURES on June 10 were reported as 29% excellent, 62% good and 9% fair.

SOIL MOISTURE as of Friday, June 10, was reported to be 3% short, 70% adequate, and 27% surplus.

WEATHER

TEMPERATURES for the period of June 6 thru June 12 averaged from normal to 6 degrees below normal throughout the State. The coolest section of the State was in the Southwest. A warm period developed during midweek sending maximum readings into the 90's.

PRECIPITATION was light to moderate over the State with amounts ranging from no rainfall in the central and southern portions to 1.22 inches at Chicago.

The OUTLOOK from June 14 through 20 is for temperatures to be above normal and precipitation to be below normal.

STATE WATER SURVEY DIVISION

The State Water Survey Division reports that Potential Plant Available Moisture (PPAM) declined in the moderately well-drained Flanagan soil four miles south of Bondville in Champaign County during the week ending June 10. Only 0.19 of an inch of precipitation fell last week. In the soil layer from the surface to 4 inches the PPAM declined from 113% to 15%; at the 4 to 12-inch depth, the PPAM declined from 48% to 15%; and at the 12 to 20-inch depth, the PPAM declined from 67% to 51%. Over the total soil column from the surface to nearly 7 feet, the PPAM declined from 80% to 67%.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

| Crop and Soil Characteristics | NW | NE | W | C | E | WSW | ESE | SW | SE | STATE | 5-YR. AVG. |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------------|
| Corn: % planted (as of June 12) | 100 | 100 | 100 | 100 | 100 | 100 | 85 | 94 | 70 | 97 | 100 |
| Soybeans: % planted (as of June 12) | 95 | 92 | 95 | 96 | 96 | 88 | 55 | 65 | 40 | 81 | 86 |
| Alfalfa Hay: % cut (as of June 12) | 40 | 35 | 65 | 70 | 60 | 75 | 60 | 90 | 76 | 57 | 69 |
| Days suitable for fieldwork:(week ending June 10) | 6.0 | 6.0 | 6.5 | 6.0 | 5.5 | 5.5 | 2.5 | 4.5 | 4.5 | 5.25 | |
| Soil moisture % (as of June 10) | | | | | | | | | | | |
| Short: | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | |
| Adequate: | 65 | 75 | 100 | 80 | 90 | 90 | 30 | 70 | 30 | 70 | |
| Surplus: | 5 | 25 | 0 | 20 | 10 | 10 | 70 | 30 | 70 | 27 | |

Illinois Weather & Crops
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ILLINOIS WEATHER

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

| | March | April | May 3-9 | May 10-16 | May 17-23 | May 24-30 | May 31-June 6 | June 7-13 |
|-------------|-------|-------|---------|-----------|-----------|-----------|---------------|-----------|
| Chicago | +1 | -5 | -4 | -1 | -2 | -7 | -6 | +2 |
| Peoria | +3 | -5 | -2 | +1 | -1 | -3 | -6 | +2 |
| Springfield | +3 | -6 | -4 | 0 | -2 | -3 | -7 | +1 |
| St. Louis | +1 | -6 | -2 | -1 | -2 | -4 | -5 | -1 |

| Station | Week ending Monday, 6 A.M., June 13 | | | | | | | |
|------------------|-------------------------------------|-------|-------|---------|------------------------|--------|--------|--|
| | Temperatures | | | | Growing degree days 1/ | | | |
| | Maxi- | Mini- | Aver- | Current | 3-yr. | Totals | Totals | |
| | :mum | :mum | :age | : week | :av.2/ | : 1982 | : 1983 | |
| Moline | : 90 | 48 | 72.8 | : 156 | 882 | 880 | 669 | |
| Rockford | : 88 | 43 | 67.8 | : 128 | 782 | 819 | 557 | |
| Chicago O'Hare | : 93 | 43 | 68.9 | : 130 | 751 | 753 | 518 | |
| Quincy | : 84 | 49 | 69.3 | : 136 | 923 | 857 | 622 | |
| Decatur | : 95 | 50 | 69.6 | : 131 | 907 | 866 | 629 | |
| Peoria | : 87 | 47 | 71.1 | : 149 | 911 | 934 | 682 | |
| Watseka 3/ | : 88 | 45 | 68.9 | : 133 | 827 | 823 | 601 | |
| Springfield | : 89 | 48 | 72.4 | : 152 | 1006 | 1006 | 718 | |
| Brownstown 3/ | : 84 | 47 | 68.4 | : 130 | 1042 | 959 | 665 | |
| St. Louis | : 86 | 52 | 72.6 | : 159 | 1118 | 1084 | 836 | |
| Dixon Springs 3/ | : 87 | 47 | 68.6 | : 131 | 1197 | 1128 | 852 | |

1/ Totals are accumulated from April 1. 2/ Average of accumulated totals for 1980, 1981 and 1982. 3/ Two-year average-1980 not available.

Growing degree days (GDD's) are calculated by subtracting a 50° (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86° (F) and daily minimum to 50° (F). Thus, if the mean temperature for the day is 75°, then 25 GDD's will have been accumulated.

| Precipitation: Week ending June 13 | | | | | |
|------------------------------------|-----------|------|-----------------------------------|------------|------------|
| Station | :Current: | | Normal: Accumulations since Apr.1 | | |
| | : week | : 1/ | : 1983 | :Normal 1/ | :Departure |
| Rockford | : 0.12 | 1.05 | 9.12 | 9.87 | - 0.75 |
| Chicago O'Hare | : 1.22 | 0.98 | 15.62 | 8.52 | + 7.10 |
| Watseka | : 0.06 | 1.05 | 11.07 | 10.38 | + 0.69 |
| Peru | : 0.00 | 0.91 | 11.59 | 9.62 | + 1.97 |
| Moline | : 0.31 | 0.98 | 7.55 | 10.06 | - 2.51 |
| Peoria | : 0.00 | 0.91 | 13.82 | 9.31 | + 4.51 |
| Monmouth | : 0.00 | 0.98 | 9.06 | 9.14 | - 0.08 |
| Quincy | : 0.00 | 0.84 | 11.67 | 9.19 | + 2.48 |
| Springfield | : 0.00 | 0.84 | 8.80 | 8.82 | - 0.02 |
| Decatur | : 0.00 | 1.05 | 16.10 | 10.08 | + 6.02 |
| Urbana | : 0.00 | 0.91 | 12.54 | 9.26 | + 3.28 |
| Belleville | : 0.00 | 0.91 | 12.03 | 9.01 | + 3.02 |
| Evansville, IN | : 0.00 | 0.84 | 22.12 | 10.10 | +12.02 |

1/ 30-year average (1951-80).

PRECIPITATION:
First figure-Current week, June 7-13
Parentheses--Previous week
M--Missing. T--Trace

